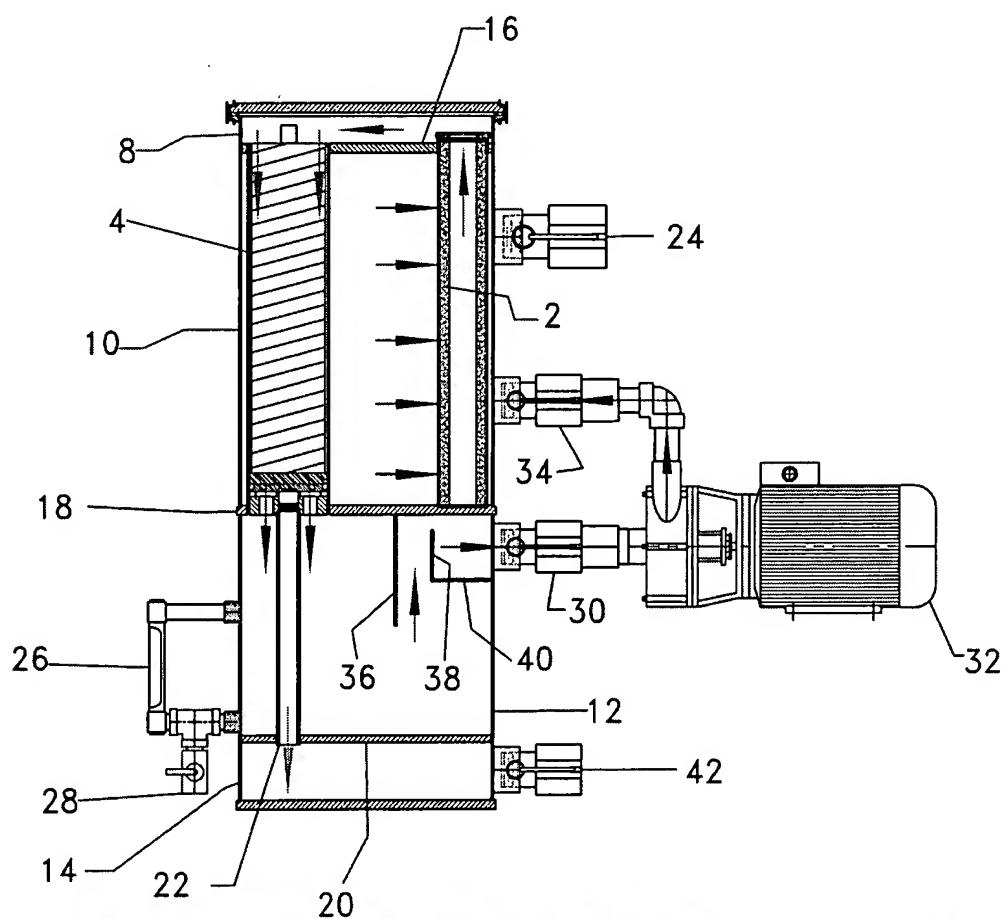


TOP SECTIONAL VIEW



CROSS SECTIONAL VIEW

FIG. 1

SPIRAL WOUND DESIGN CONCEPT



Filtration Solutions, Inc.

SCALE - DRWN BY: THM

APPRVD BY: GY

DATE	SIZE	PROJECT	DRAWING NUMBER	REV.
10/26/01	A	8004	A99-089-SA-01/A	B

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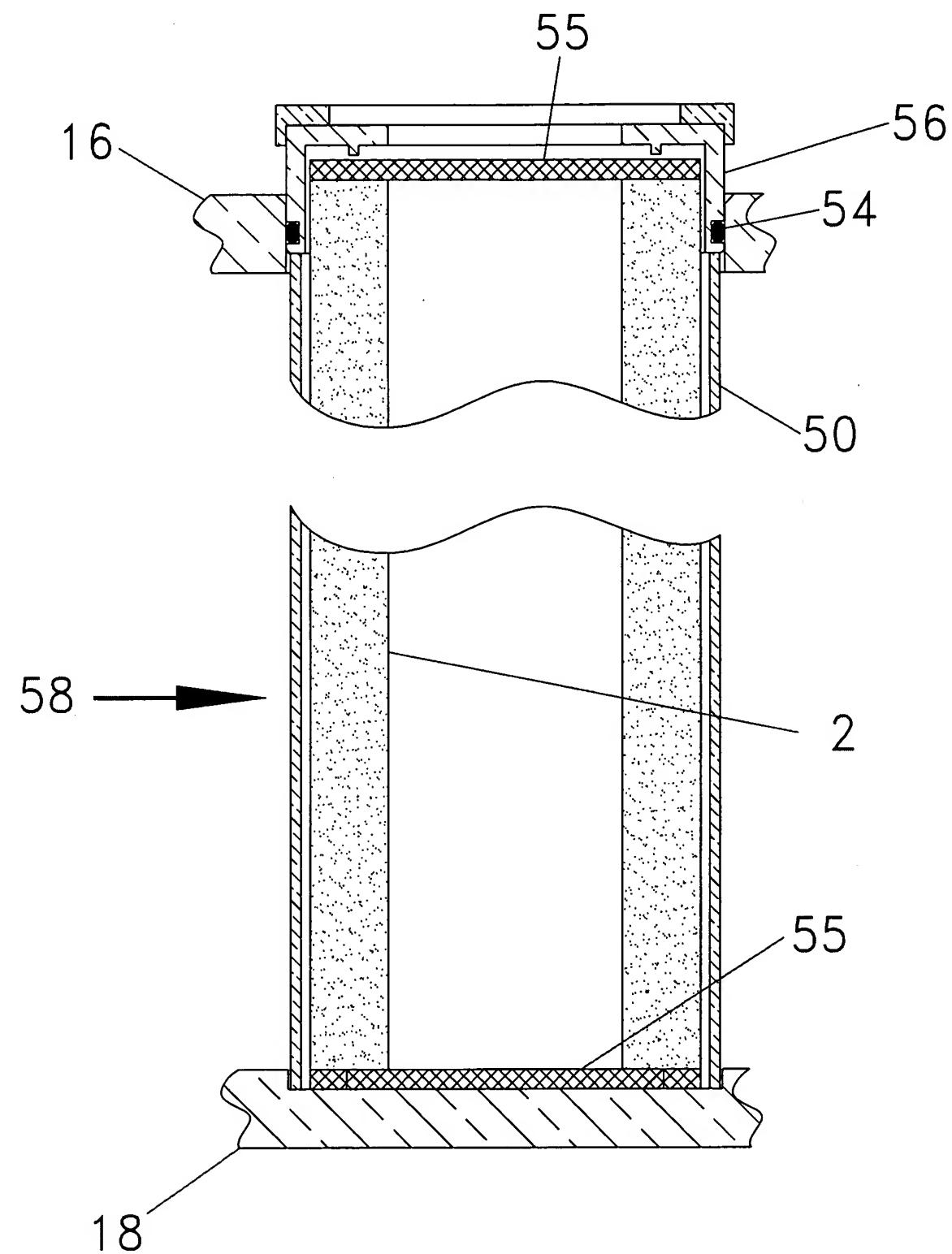


FIG. 2B

SPIRAL WOUND DESIGN CONCEPT

**Filtration Solutions, Inc.**

SCALE - DRWN BY: THM APPRVD BY: GY

DATE	SIZE	PROJECT	DRAWING NUMBER	REV.
10/26/01	A	8004	A99-089-SA-01/C	B

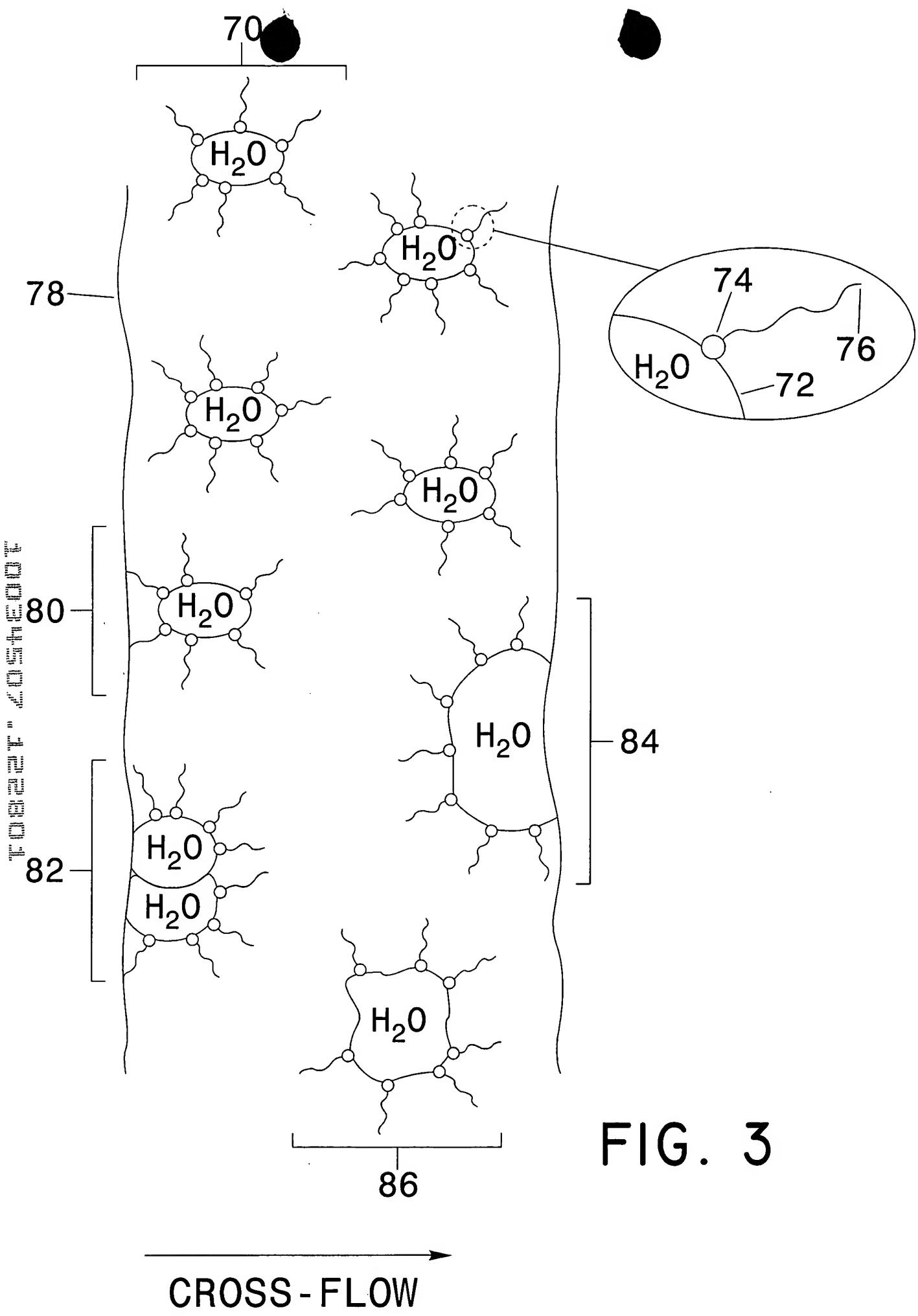


FIG. 3

CROSS - FLOW

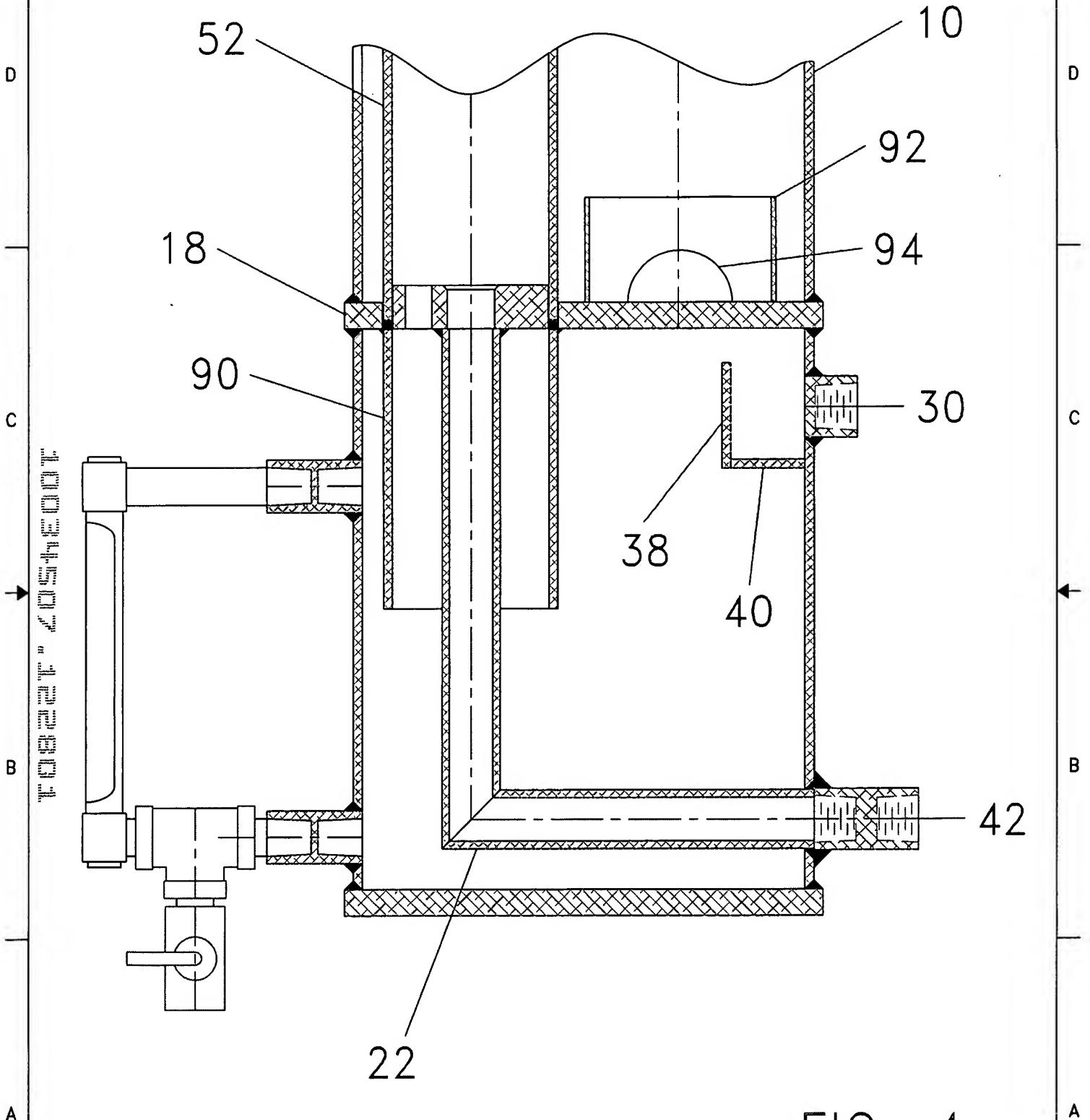


FIG. 4

SPIRAL WOUND DESIGN CONCEPT



Filtration Solutions, Inc.

SCALE - DRWN BY: THM APPRVD BY: GY

DATE	SIZE	PROJECT	DRAWING NUMBER	REV.
10/26/01	A	8004	A99-089-SA-01/E	B

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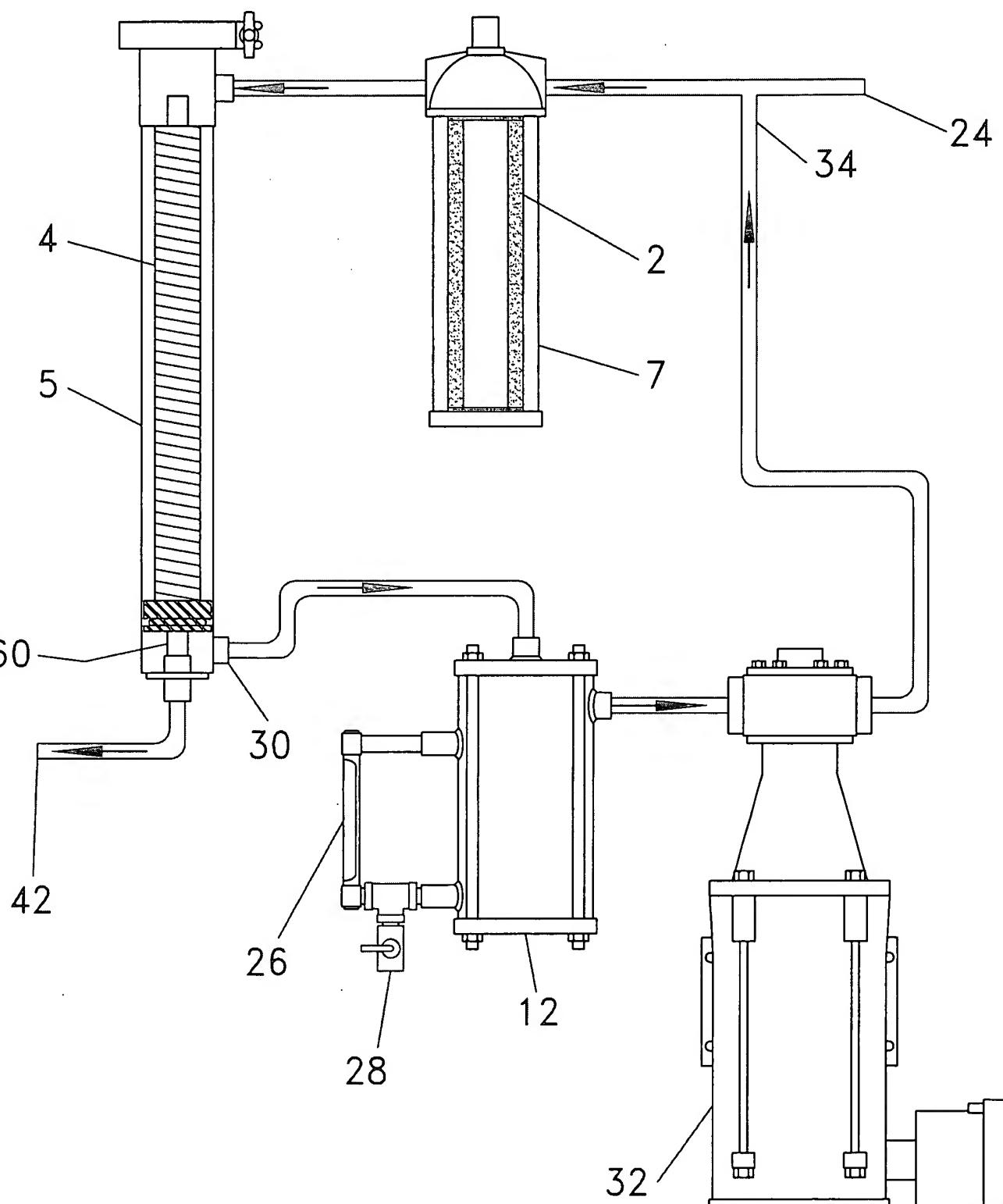


FIG. 5

SPIRAL WOUND DESIGN CONCEPT

**Filtration Solutions, Inc.**

SCALE - DRWN BY: THM

APPRVD BY: GY

DATE	SIZE	PROJECT	DRAWING NUMBER	REV.
10/26/01	A	8004	A99-089-SA-01/F	B